

**10/566386**

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PCT/IB2004/002374

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SEQUENCE LISTING

**1AP20 Rec'd PCT/PTO 30 JAN 2006**

&lt;110&gt; Institut Pasteur

&lt;120&gt; TRANSGENIC MICE HAVING A HUMAN MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) PHENOTYPE, EXPERIMENTAL USES AND APPLICATIONS

&lt;130&gt; 346381-D22368

&lt;140&gt; PCT/IB2004/002374

&lt;141&gt; 2004-07-05

&lt;150&gt; 60/490,945

&lt;151&gt; 2003-07-30

&lt;160&gt; 18

&lt;170&gt; PatentIn Ver. 3.2

&lt;210&gt; 1

&lt;211&gt; 4547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; promoter

&lt;222&gt; (1)..(1205)

&lt;223&gt; promoter HLA-A2 gene

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1206)..(1265)

&lt;223&gt; leader sequence HLA-A2

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1266)..(1565)

&lt;223&gt; human Beta2 microglobulin cDNA

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&lt;221&gt; misc\_feature

&lt;222&gt; (1566)..(1610)

&lt;223&gt; GlySer linker

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1611)..(2440)

&lt;223&gt; exon 2 and partial intron 3 from HLA-A2 gene

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2441)..(4547)

&lt;223&gt; intron 3 partial-exon 4-exon 8-3'non codant gene

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;222&gt; (1)..(15279)

&lt;223&gt; promoter 5' from HLA-DR alpha gene (HLA-DRA gene)

&lt;220&gt;

&lt;221&gt; gene

&lt;222&gt; (1)..(29133)

&lt;223&gt; HLA-DR alpha gene (HLA-DRA gene)

&lt;220&gt;

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&lt;222&gt; (15280)..(15425)

&lt;223&gt; exon 1

&lt;220&gt;

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&lt;222&gt; (15344)..(15346)

&lt;223&gt; ATG start

&lt;220&gt;

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&lt;222&gt; (17838)..(18083)

&lt;223&gt; exon 2

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&lt;221&gt; misc\_feature

&lt;222&gt; (18575)..(18866)

&lt;223&gt; exon 3

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&lt;221&gt; misc\_feature

&lt;222&gt; (19146)..(19311)

&lt;223&gt; exon 4

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&lt;222&gt; (20008)..(20340)

&lt;223&gt; exon 5

&lt;400&gt; 2

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&lt;223&gt; ATG codon start

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&lt;223&gt; exon 5 - HLA-DRB1\*010101 gene

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&lt;223&gt; exon 6 - HLA-DRB1\*010101 gene

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&lt;210&gt; 4

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Synthetic

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Gly-Ser Linker

&lt;400&gt; 4

Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser  
1 5 10 15

&lt;210&gt; 5

&lt;211&gt; 31

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 5

cattgagaca gagcgccctgg cacagaagca g

31

&lt;210&gt; 6

&lt;211&gt; 36

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 6

ggatgacgtg agtaaacctg aatctttgga gtacgc

36

&lt;210&gt; 7

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 7

ttcttcaacg ggacggagcg ggtg

24

&lt;210&gt; 8

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 8

ctgcactgtg aagctctcac caac

24

&lt;210&gt; 9

&lt;211&gt; 20

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&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 9

ctccaagccc tctcccaagag

20

&lt;210&gt; 10

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Primer

&lt;400&gt; 10

atgtgcctta cagaggcccc

20

&lt;210&gt; 11

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Peptide

&lt;400&gt; 11

Gly Leu Ser Pro Thr Val Trp Leu Ser Val  
1 5 10

&lt;210&gt; 12

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Peptide

&lt;400&gt; 12

Trp Leu Ser Leu Leu Val Pro Phe Val  
1 5

&lt;210&gt; 13

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Peptide

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<400> 13  
Ile Leu Ser Pro Phe Leu Pro Leu  
1 5

<210> 14  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 14  
Gln Ala Gly Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser  
1 5 10 15

<210> 15  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 15  
Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly  
1 5 10

<210> 16  
<211> 26  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 16  
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1 5 10 15

Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly  
20 25

<210> 17  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 17  
Thr Ser Leu Asn Phe Leu Gly Gly Thr Thr Val Cys Leu Gly Gln

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1

5

10

15

&lt;210&gt; 18

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
Peptide

&lt;400&gt; 18

Ser Leu Leu Val Pro Phe Val Gln Trp Phe Val Gly Leu Ser Pro Thr

1

5

10

15

Val Trp Leu Ser Val

20